



PRICE SCHEDULE FOR BULLETIN 1771 UNIVERSAL I/O STRUCTURE

Bulletin 1771 I/O equipment may be ordered for use with the Bulletin 1772 Mini-PLC-2 Programmable Controller, the Bulletin 1772 PLC-2 Programmable Controller or the Bulletin 1774 PLC Remote I/O Programmable Controller. The basic equipment is itemized under Bulletin 1771, I/O Equipment. Subsequent divisions in this Price List itemize equipment necessary for operation with a specific Allen-Bradley Processor. In some instances alternate equipment is also listed.

BULLETIN 1771 UNIVERSAL I/O EQUIPMENT

CHASSIS		
CAT. NO.	DESCRIPTION	PRICE
1771-A1	32-I/O Chassis Assembly, consisting of: 1 32-I/O Chassis (Cat. No. 1771-AA) 4 Field Wiring Arms (Cat. No. 1771-WA) 1 I/O Rack Keying Bands package, 18 per package (Cat. No. 1777-RK)	\$215.00
1771-A2	64-I/O Chassis Assembly, consisting of: 1 64-I/O Chassis (Cat. No. 1771-AB) 8 Field Wiring Arms (Cat. No. 1771-WA) 1 I/O Rack Keying Bands package, 18 per package (Cat. No. 1777-RK)	295.00
1771-A4	128-I/O Chassis Assembly, consisting of: 1 128-I/O Chassis (Cat. No. 1771-AD) 16 Field wiring Arms (Cat. No. 1771-WA) 2 I/O Rack Keying Bands packages, 18 per package (Cat. No. 1777-RK)	435.00

Discount Schedule U

Publication 1771-47 — November 1, 1980
Supersedes Publication 1771-47 Dated March 31, 1980

INPUT MODULES		
CAT. NO.	DESCRIPTION	PRICE
1771-IA	AC/DC (120V) Input Module, 8 circuits	\$135.00
1771-IB	DC (12-24V) Input Module, 8 circuits	125.00
1771-IC	DC (48V) Input Module, 8 circuits	125.00
1771-IH	DC (24-48V) Input Module, 8 circuits	125.00
1771-IG	TTL Input Module Assembly, 8 circuits per module. User selectable High True/Low True logic levels, consisting of: 1 TTL Input Module (Cat. No. 1771-IGC) 1 Field Wiring Arm, 10 terminals (Cat. No. 1771-WC) 1 Product Data Sheet (Pub. No. 1771-913)	110.00
1771-ID	Isolated AC/DC (120V) Input Module Assembly, 6 circuits, consisting of: 1 Isolated AC/DC (120V) Input Module (Cat. No. 1771-IDC) 1 Field Wiring Arm, 12 Terminals (Cat. No. 1771-WD) 1 Product Data Sheet (Pub. No. 1771-926)	100.00 *
1771-IJ	Encoder/Counter Module Assembly, TTL (5V DC) Input/Output consisting of: 1 Encoder/Counter Module 5V DC (Cat. No. 1771-IJC) 2 Field Wiring Arms, 12 Terminal (Cat. No. 1771-WD) 1 Product Data Sheet (Pub. No. 1771-928)	650.00 *
1771-IK	Encoder/Counter Module Assembly, 12-24V DC Input/Output consisting of: 1 Encoder/Counter Module, 12-24V DC (Cat. No. 1771-IKC) 2 Field Wiring Arms, 12 Terminal (Cat. No. 1771-WD) 1 Product Data Sheet (Pub. No. 1771-928)	650.00 *
1771-IM	AC/DC (220V/240V) Input Module, 8 circuits, includes: 1 Product Data Sheet (Pub. No. 1771-927)	110.00
1771-IT	DC (12-24V) Fast Response Input Module, Includes: 1 Product Data Sheet (Pub. No. 1771-929)	170.00 *
1771-IV	DC (12-24V) Driver Logic Input Module, Includes: 1 Product Data Sheet (Pub. No. 1771-932)	155.00 *

* New or selected change item

OUTPUT MODULES		
CAT. NO.	DESCRIPTION	PRICE
1771-OA	AC (120V) Output Module (1.5 amperes), 8 driver (source) circuits	\$195.00
1771-OB	DC (12-24V) Output Module (1.5 amperes), 8 driver (source) circuits	185.00
1771-OC	DC (48V) Output Module (1.5 amperes), 8 driver (source) circuits	185.00
1771-OD	Isolated AC (120V) Output Module Assembly, 6 driver (source) circuits, consisting of: 1 Isolated AC (120V) Output Module (Cat. No. 1771-ODC) 1 Field Wiring Arm, 12 Terminals (Cat. No. 1771-WD) 1 Product Data Sheet (Pub. No. 1771-916)	155.00
1771-OG	TTL Output Module Assembly, 8 circuits per module. User selectable High True/Low True logic levels consisting of: 1 TTL Output Module (Cat. No. 1771-OGC) 1 Field Wiring Arm, 10 terminals (Cat. No. 1771-WC) 1 Product Data Sheet (Pub. No. 1771-914)	110.00
1771-OM	AC (220/240V) Output Module, 8 driver (source) circuits. Includes: 1 Product Data Sheet (Pub. No. 1771-925)	155.00
1771-OY	Contact Output Module Assembly, 4 Normally Open, 4 Normally Closed reed relay contacts, consisting of: 1 Contact Output Module (Cat. No. 1771-OYC) 1 Field Wiring Arm (Cat. No. 1771-WD) 1 Product Data Sheet (Pub. No. 1771-919)	150.00

ANALOG INPUT MODULES																		
CAT. NO.	DESCRIPTION	PRICE																
1771-IE	Analog Input Module (8-bit) Assembly, 8 single-ended channels (user specifies current or voltage mode and range, see [1], [2] below), consisting of: 1 Analog Input Module (Cat. No. 1771-IEC) 1 Field Wiring Arm, 12 terminals (Cat. No. 1771-WB) 1 Product Data Sheet (Pub. No. 1771-915) [1] To order the appropriate voltage or current range, a two-digit suffix must be added to the Catalog Number of the Module assembly, as shown below: <table><tr><th>CATALOG NO.</th><th>RANGE</th></tr><tr><td>1771-IE01</td><td>1 to 5 volts</td></tr><tr><td>1771-IE02</td><td>0 to 5 volts</td></tr><tr><td>1771-IE03</td><td>-10 to +10 volts</td></tr><tr><td>1771-IE04</td><td>0 to 10 volts</td></tr><tr><td>1771-IE05</td><td>4 to 20 mA</td></tr><tr><td>1771-IE06</td><td>0 to 20 mA</td></tr><tr><td>1771-IE07</td><td>-20 to +20 mA</td></tr></table> NOTE: When ordering the Module without Field Wiring Arm, the same two-digit suffix must be added to the Module Catalog Number to insure proper handling. Example: The 4 to 20 mA version of the Module would have a Catalog Number of 1771-IEC05. [2] Analog Input Module requires a 1770-P1 or equivalent Power Supply	CATALOG NO.	RANGE	1771-IE01	1 to 5 volts	1771-IE02	0 to 5 volts	1771-IE03	-10 to +10 volts	1771-IE04	0 to 10 volts	1771-IE05	4 to 20 mA	1771-IE06	0 to 20 mA	1771-IE07	-20 to +20 mA	\$565.00
CATALOG NO.	RANGE																	
1771-IE01	1 to 5 volts																	
1771-IE02	0 to 5 volts																	
1771-IE03	-10 to +10 volts																	
1771-IE04	0 to 10 volts																	
1771-IE05	4 to 20 mA																	
1771-IE06	0 to 20 mA																	
1771-IE07	-20 to +20 mA																	
1771-IF	Analog Input Module (12 bit) Assembly, 8 single-ended channels (user specifies current or voltage mode and range, see [1], [2] below), consisting of: 1 Analog Input Module (Cat. No. 1771-IFC) 2 Field Wiring Arms, 12 Terminal (Cat. No. 1771-WB) 1 Product Data Sheet (Pub. No. 1771-917) [1] To order the appropriate voltage or current range, a two-digit suffix must be added to the Catalog Number of the Module assembly, as shown below: <table><tr><th>CATALOG NO.</th><th>RANGE</th></tr><tr><td>1771-IF01</td><td>1 to 5 volts</td></tr><tr><td>1771-IF02</td><td>0 to 5 volts</td></tr><tr><td>1771-IF03</td><td>-10 to +10 volts</td></tr><tr><td>1771-IF04</td><td>0 to 10 volts</td></tr><tr><td>1771-IF05</td><td>4 to 20 mA</td></tr><tr><td>1771-IF06</td><td>0 to 20 mA</td></tr><tr><td>1771-IF07</td><td>-20 to +20 mA</td></tr></table> NOTE: When ordering the Module without Field Wiring Arm, the same two-digit suffix must be added to the Module Catalog Number to insure proper handling. Example: The 4 to 20 mA version of the Module would have a Catalog Number of 1771-IFC05. [2] Analog Input Module requires a 1770-P1 or equivalent Power Supply	CATALOG NO.	RANGE	1771-IF01	1 to 5 volts	1771-IF02	0 to 5 volts	1771-IF03	-10 to +10 volts	1771-IF04	0 to 10 volts	1771-IF05	4 to 20 mA	1771-IF06	0 to 20 mA	1771-IF07	-20 to +20 mA	1,000.00 *
CATALOG NO.	RANGE																	
1771-IF01	1 to 5 volts																	
1771-IF02	0 to 5 volts																	
1771-IF03	-10 to +10 volts																	
1771-IF04	0 to 10 volts																	
1771-IF05	4 to 20 mA																	
1771-IF06	0 to 20 mA																	
1771-IF07	-20 to +20 mA																	

ANALOG OUTPUT MODULES																		
CAT. NO.	DESCRIPTION	PRICE																
1771-OF	Analog Output Module (12-bit) Assembly, 4 single-ended channels (user specifies current or voltage mode and range, see [1], [2] below), consisting of: 1 Analog Input Module (Cat. No. 1771-OFC) 1 Field Wiring Arm, 12 terminals (Cat. No. 1771-WB) 1 Product Data Sheet (Pub. No. 1771-918) [1] To order the appropriate voltage or current range, a two-digit suffix must be added to the Catalog Number of the Module assembly, as shown below: <table><thead><tr><th>CATALOG NO.</th><th>RANGE</th></tr></thead><tbody><tr><td>1771-OF01</td><td>1 to 5 volts</td></tr><tr><td>1771-OF02</td><td>0 to 5 volts</td></tr><tr><td>1771-OF03</td><td>-10 to +10 volts</td></tr><tr><td>1771-OF04</td><td>0 to 10 volts</td></tr><tr><td>1771-OF05</td><td>4 to 20 mA</td></tr><tr><td>1771-OF06</td><td>0 to 20 mA</td></tr><tr><td>1771-OF07</td><td>-20 to +20 mA</td></tr></tbody></table> NOTE: When ordering the Module without Field Wiring Arm, the same two-digit suffix must be added to the Module Catalog Number to insure proper handling. Example: The 4 to 20 mA version of the Module would have a Catalog Number of 1771-OFC05. [2] Analog Output Module requires a 1770-P1 or equivalent Power Supply	CATALOG NO.	RANGE	1771-OF01	1 to 5 volts	1771-OF02	0 to 5 volts	1771-OF03	-10 to +10 volts	1771-OF04	0 to 10 volts	1771-OF05	4 to 20 mA	1771-OF06	0 to 20 mA	1771-OF07	-20 to +20 mA	\$1,200.00 *
CATALOG NO.	RANGE																	
1771-OF01	1 to 5 volts																	
1771-OF02	0 to 5 volts																	
1771-OF03	-10 to +10 volts																	
1771-OF04	0 to 10 volts																	
1771-OF05	4 to 20 mA																	
1771-OF06	0 to 20 mA																	
1771-OF07	-20 to +20 mA																	

POWER SUPPLY EQUIPMENT

AUXILIARY POWER SUPPLIES, CABLES		
CAT. NO.	DESCRIPTION	PRICE
1771-P2	Auxiliary Power Supply, 6.5 amperes; supplies power for up to 128 I/O points in a Bulletin 1771-I/O Chassis used in conjunction with the Bulletin 1772 PLC-2 or Bulletin 1774 PLC Programmable Controllers only.	\$370.00
1771-CE	I/O Power Cable, 1 ft/30.5 cm; for use with a Bulletin 1771 Auxiliary Power Supply when it is mounted on I/O Chassis.	20.00
1771-CD	I/O Power Cable, 5 ft/1.5 m; for use with a Bulletin 1771 Auxiliary Power Supply when it is located up to 5 cable-feet from I/O Chassis.	25.00
1770-P1	Power Supply for two analog input modules (Cat. No. 1771-IE, 1771-IF), consisting of: 1 Power Supply (Cat. No. 1770-P1) 1 Product Data Sheet (Pub. No. 1770-905)	165.00

* New or selected change item

MINI PLC-2 POWER SUPPLY, CABLES ■		
CAT. NO.	DESCRIPTION	PRICE
1771-P1	System Power Supply, 6.5 amperes; supplies power to 1 Mini-PLC-2 Processor Module and up to 128 I/O points in a single Bulletin 1771 Chassis. Consisting of: 1 System Power Supply Unit (Cat. No. 1771-PA) 1 Battery Pack (Cat. No. 1771-BB), consisting of: 1 Battery Housing (Cat. No. 1771-BH) 1 Mounting Hardware Set (Cat. No. 1771-BH) 2 "D" size alkaline batteries (Cat. No. 1771-BA) ■	\$430.00
1771-CL	I/O Power Cable, 1 ft/30.5 cm; for use with System Power Supply when it is mounted on a Bulletin 1771 I/O Chassis	25.00
1771-CM	I/O Power Cable, 5 ft/1.5 m; for use with System Power Supply when it is mounted up to 5 cable-feet distant from a Bulletin 1771 I/O Chassis	35.00

PLC-2 ADAPTER, POWER SUPPLY, CABLES		
CAT. NO.	DESCRIPTION	PRICE
1771-AL	PLC-2 I/O Adapter Module; for use with Local I/O PLC-2 controller	\$160.00
1771-CK	I/O Power cable, 3 ft/91 cm; connects between either PLC-2 Power Supply (System or Auxiliary) and Bulletin 1771 Chassis	20.00
1771-CJ	I/O Power cable, 8 ft/2.4 m; connects between either PLC-2 Power Supply (System or Auxiliary) and Bulletin 1771 Chassis	30.00
1771-P2	Auxiliary Power Supply; used if Bulletin 1772 Power Supplies are not	370.00
1771-CE	I/O Power Cable, 1 ft /30.5 cm; used with Bulletin 1771 Auxiliary Power Supply	20.00
1771-CD	I/O Power Cable, 5 ft /1.5 m; used with Bulletin 1771 Auxiliary Power Supply	25.00
1777-CA	I/O Interconnect Cable, 3 ft/91 cm; connects Processor with I/O Adapter Module; connects Adapter Module in one Chassis with the same in next Chassis	105.00
1777-CB	I/O Interconnect Cable. 6 ft/1.83 m; same function as 1777-CA, above	115.00
1777-CP	I/O Termination Plug; one must be used in last I/O Rack ■	15.00

■ When Bulletin 1771 I/O equipment is used in conjunction with the Bulletin 1772 PLC-2 Programmable Controller, an Adapter Module, an I/O Interconnect Cable, and an I/O Power Cable must also be used for each I/O Chassis. An I/O Termination Plug must be used on the last Chassis. The user specifies and orders them separately. Users may need to order a Bulletin 1771 Auxiliary Power Supply, although either of the PLC-2 Power Supplies can perform this function.

■ Users may optionally purchase a lithium battery for Series B or later Power Supplies, see Replacement Parts later in this Publication.

■ User may have a plug in an operating controller system. If it is a new system, a plug must be ordered for use in the last I/O Rack.

Discount Schedule U

PLC ADAPTER, POWER SUPPLY, CABLES 1		
CAT. NO.	DESCRIPTION	PRICE
1771-AR	Remote I/O Adapter Module Assembly, 5000-ft/1525 m capability, for use with a Remote I/O PLC controller. May be placed up to a maximum of 5000 cable-feet distant from Processor. Consists of: 1 Remote I/O Adapter Module (Cat. No. 1771-ARC) 1 Field Wiring Arm (Cat. No. 1771-WB), 12 terminals 1 Module Group Label Set (Cat. No. 1771-XL) 1 Product Data Sheet	\$395.00 *
1771-P2	Auxiliary Power Supply 2	370.00
1771-CE	I/O Power Cable, 1 ft/30.5 cm; for use with Bulletin 1771 Auxiliary Power Supply when it is mounted on I/O Chassis	20.00
1771-CD	I/O Power Cable, 5 ft/1.5 m; for use with Bulletin 1771 Auxiliary Power Supply when it is mounted up to 5 cable-feet distant from the I/O Chassis	25.00
1778-P2	PLC Remote Power supply; may be used to power 1 or 2 Bulletin 1771 I/O Chassis if current requirements do not exceed 6 amperes	See Pub. SD42
1771-CG	I/O Power Cable, 3 ft/91 cm; for use with either of the PLC Power Supplies	20.00
1771-CF	I/O Power Cable, 8 ft/2.4 m; for use with either of the PLC Power Supplies	30.00
1778-CR	Remote I/O Interconnect Cable; connects Remote I/O Distribution Panel with Adapter Module. Also interconnects 2 Adapter Modules. Order by cable-feet as required. 3	.15/ft

1 When the Bulletin 1771 I/O equipment is used in conjunction with the Bulletin 1774 PLC Programmable Controller, an Adapter Module, an I/O Interconnect Cable and a Power Cable must also be used for each Bulletin 1771 I/O Chassis.

2 Users may need to purchase a Power Supply, although a PLC Power Supply is capable of this function, as noted at 1778-P2, above.

3 Note: Minimum order is 100 ft/31 m.

*New or selected change item

MINI PLC-2, PLC-2 DATA HIGHWAY EQUIPMENT

MODULES		
CAT. NO.	DESCRIPTION	PRICE
1771-KA	Communication Adapter Module for interfacing the PLC-2 and Mini PLC-2 Processors to the Data Highway	\$945.00
1771-KC	Communication Controller Module for interfacing the Data Highway to a computer or other similar RS-232-C device	\$945.00
1771-KD	Stand-Alone Communication Controller Module for interfacing the Data Highway to a computer or other similar RS-232-C device	\$945.00

MISCELLANEOUS CABLES AND EQUIPMENT		
CAT. NO.	DESCRIPTION	PRICE
1770-CD	Twinaxial Cable (Note: Minimum order is 100 ft.)	\$0.48/foot
1770-CE	EIA Adapter Cable for interfacing an RS-232-C port to the Communication Controller Module (Cat. No. 1771-KC)	\$105.00
1771-CN	Data Highway/Processor Cable, 1.5 ft. (0.533 m)	\$80.00
1771-CO	Data Highway/Processor Cable, 3.5 ft. (1.067 m)	\$105.00
1771-CR	Data Highway/Processor Cable, 10.5 ft. (3.20 m)	\$130.00
1770-XG	Connector Kit for adding a dropline to the Data Highway	\$85.00
1770-XE	15-Pin Connector Kit	\$10.00
1770-XF	Terminator Set for the Data Highway	\$65.00

SERVICE ASSISTANCE

PROGRAMMING AND APPLICATION ENGINEERING — Programming or application engineering assistance is available at the customer's request from the Systems Division in Highland Heights, Ohio. The rate for such assistance at the customer's site is \$400.00*, **net**, per day, or fraction of a day, **plus** travel and expenses at cost. If the work is performed at the Systems Division facility at Highland Heights, Ohio, the charge will be \$400.00 * per day, or fraction of a day, but no charge for travel expenses will be made. Minimum charges in either case will be \$400.00 * **net**.

If requested, an estimate of length of time will be furnished; however, these estimates are not firm.

FIELD SERVICE — On site Field Service is available at any location in the continental United States at the rate of \$350.00, **net**, per day, **plus** travel and expenses at cost. Minimum charge will be \$350.00 **net**.

PRICES — Note that certain prices quoted in this Publication are directly related to other Allen-Bradley price sheets. In instances where there is a difference between two prices, the **latest edition** of the basic price sheet takes precedence over this list. These sheets are:

- SD42 for the Bulletin 1774 PLC Controller
- 1772-47 for the Bulletin 1772 PLC-2 Controller
- 1770-47 for Common Support Equipment

* New or selected change item

Discount Schedule U

REPLACEMENT PARTS

FIELD WIRING ARMS		
CAT. NO.	DESCRIPTION	PRICE
1771-WA	Field Wiring Arm, 10 terminals (tin plated)	\$ 8.00
1771-WB	Field Wiring Arm, 12 terminals (gold plated)	12.00
1771-WC	Field Wiring Arm, 10 terminals (gold plated)	12.00
1771-WD	Field Wiring Arm, 12 terminals (tin plated)	12.00

FUSE PACKAGES		
CAT. NO.	DESCRIPTION	PRICE
1771-FP	Fuse Package; for use with Cat. No. 1771-P1 and -P2 Power Supplies. Includes: 5 1A slow-blow fuses for 120V use 5 0.5A slow-blow fuses for 220/240V use	\$5.00
1771-FC	Fuse Package; for use with Cat. No. 1771 Output Modules. Includes 5 2A, 120V fuses	5.00

POWER SUPPLY PARTS		
CAT. NO.	DESCRIPTION	PRICE
1771-PA	Power Supply Unit (used with 1771-P1)	\$370.00

BATTERY PACK PARTS		
CAT. NO.	DESCRIPTION	PRICE
1 1771-BH	Battery Housing; used with Bulletin 1771 System Power Supply only	\$35.00
1 1771-BX	Mounting Hardware Set; used to mount Battery Housing to Chassis	23.00
1 1771-BA	Alkaline "D" size battery	1.00
2 1771-BL	Lithium battery; may optionally be used instead of 2 "D" sized alkaline batteries	25.00 *
1771-BB	Battery Pack, consists of: 1 Battery Housing (Cat. No. 1771-BH) 1 Mounting Hardware Set (Cat. No. 1771-BX) 2 Alkaline Batteries (Cat. No. 1771-BA)	60.00

1 These items also may be ordered as a group with Cat. No. 1771-BB.

2 Consult factory for availability.

* New or selected change item

Discount Schedule U

I/O RACK ACCESSORIES		
CAT. NO.	DESCRIPTION	PRICE
1777-RK	I/O Rack Keying Bands, 18 per package	\$ 6.00
1771-XL	Module Group Label Set	4.00
1771-PL	Module Lock	35.00 *

CHASSIS ¹		
CAT. NO.	DESCRIPTION	PRICE
1771-AA	32-I/O Chassis	\$178.00
1771-AB	64-I/O Chassis	226.00
1771-AD	128-I/O Chassis	297.00

I/O ADAPTER MODULES		
CAT. NO.	DESCRIPTION	PRICE
1771-AL	PLC-2 I/O Adapter Module	\$160.00
1771-ARC ²	Remote I/O Adapter Module (5000 ft/1525 m capability)	379.00 *

I/O MODULES		
CAT. NO.	DESCRIPTION	PRICE
1771-IDC	Isolated AC/DC (120V) Input Module	\$ 88.00
1771-IGC	TTL Input Module	98.00
1771-IEC	Analog Input Module (8 bit)	553.00
1771-IFC	Analog Input Module (12 bit)	976.00 *
1771-OFC	Analog Output Module (12 bit)	1,188.00 *
1771-IKC	Encoder/Counter Module (12-24V DC)	626.00 *
1771-IJC	Encoder/Counter Module (5V DC)	626.00 *
1771-ODC	Isolated AC (120V) Output Module	143.00
1771-OGC	TTL Output Module	98.00
1771-OYC	Contact Output Module	138.00

¹ Field wiring Arms and Keying Bands not included.

² See Publication SD42 for complete description

*New or selected change item

Discount Schedule U

DOCUMENTATION		
CAT. NO.	DESCRIPTION	PRICE
1771-BD	Block Diagrams, Vol. 1; contains I/O Modules, cables, I/O Adapter Modules, Chassis, Power Supplies	\$110.00 NET
1771-ND	Block Diagrams, Vol 2; contains Mini-PLC-2 Processors, I/O Adapters, Analog I/O Modules, Contact Output Module. Note: Requires a Non-Disclosure Agreement. Consult factory before ordering.	110.00 NET



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